

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121785.D
 Acq On : 2 Oct 2020 00:23
 Operator : JU/CG
 Sample : L4193-07DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14(13-14)DL

Manual Integrations
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Quant Time: Oct 02 02:07:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	130408	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	484525	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	217651	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	350060	20.00	ng	0.00
76) Chrysene-d12	13.94	240	297899	20.00	ng	0.00
86) Perylene-d12	15.38	264	247119	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	60378	6.88	ng	0.00
7) Phenol-d6	6.42	99	75599	6.57	ng	0.00
23) Nitrobenzene-d5	7.33	82	46023	5.10	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	13907	5.14	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	92807	6.46	ng	0.00
79) Terphenyl-d14	12.88	244	72343	4.92	ng	0.00
Target Compounds						
58) Fluorene	10.36	166	36097	2.515	ng	Qvalue 100
71) Phenanthrene	11.32	178	457643	23.995	ng	99
72) Anthracene	11.37	178	142650	7.248	ng	98
75) Fluoranthene	12.51	202	674609	33.134	ng	99
78) Pyrene	12.74	202	658907	30.273	ng	99
81) Benzo(a)anthracene	13.93	228	410250	21.768	ng	99
83) Chrysene	13.96	228	332394	17.417	ng	98
87) Indeno(1,2,3-cd)pyrene	16.80	276	115649	7.186	ng	96
88) Benzo(b)fluoranthene	14.96	252	333164m	20.167	ng	
89) Benzo(k)fluoranthene	14.99	252	116125m	7.676	ng	
90) Benzo(a)pyrene	15.32	252	230629	16.423	ng	97
91) Dibenzo(a,h)anthracene	16.80	278	34951m	2.609	ng	
92) Benzo(a,h,i)perylene	17.23	276	98952	7.514	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

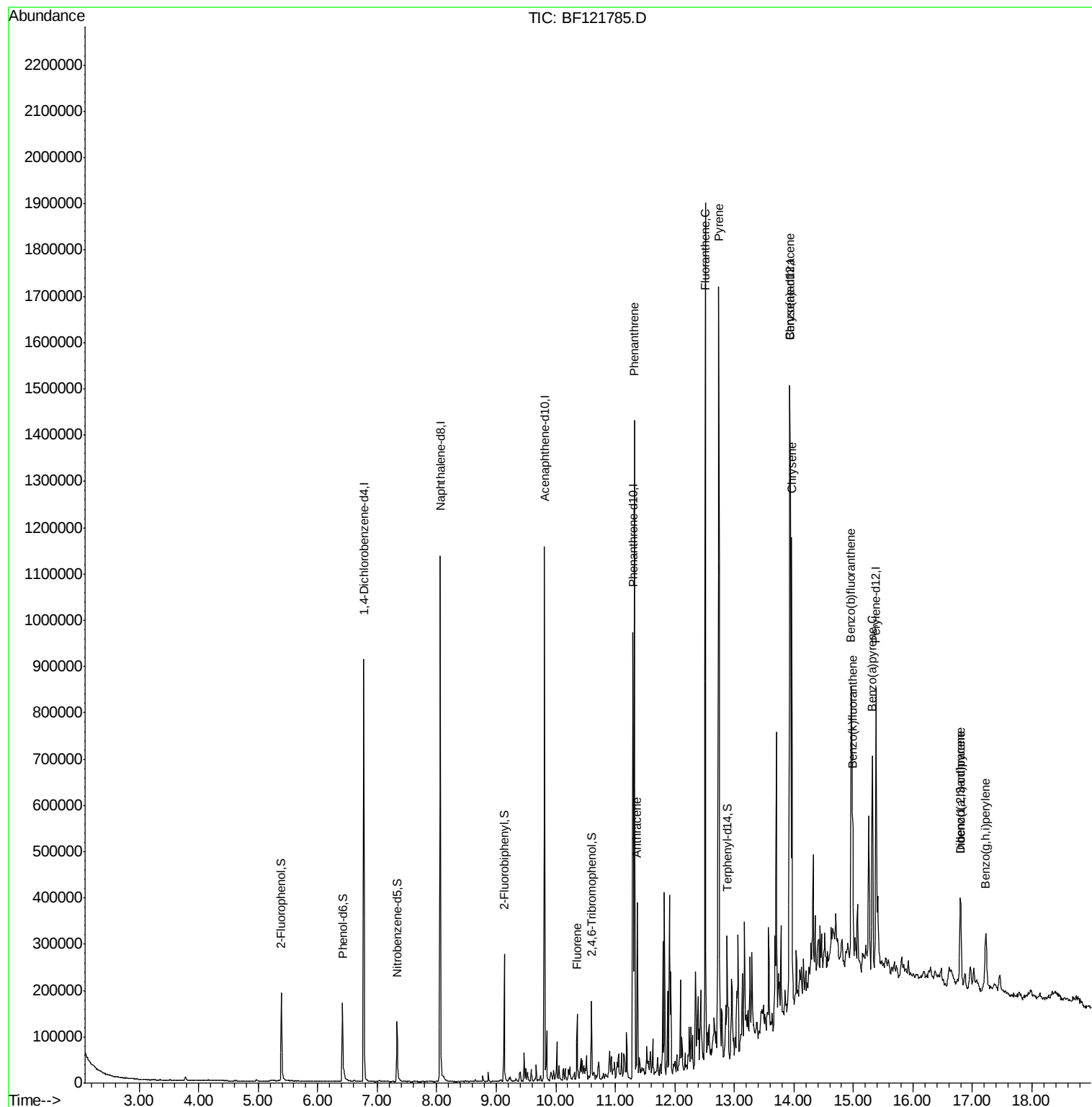
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121785.D
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Operator : JU/CG
Sample : L4193-07DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

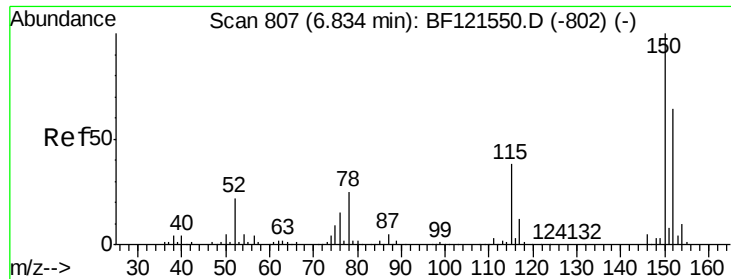
Instrument :
BNA_F
ClientSampleId :
B-14(13-14)DL

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Quant Time: Oct 02 02:07:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
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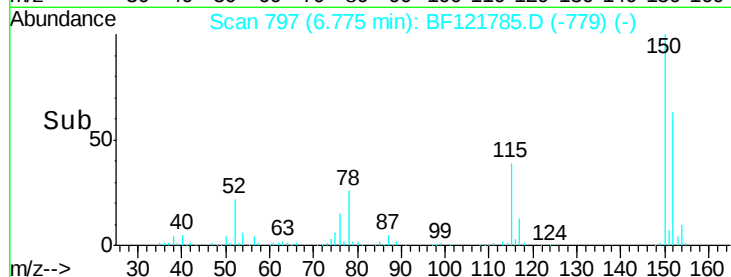
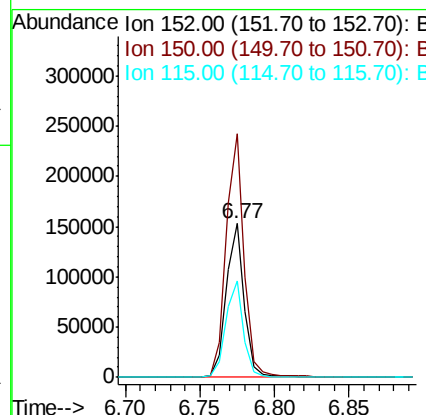
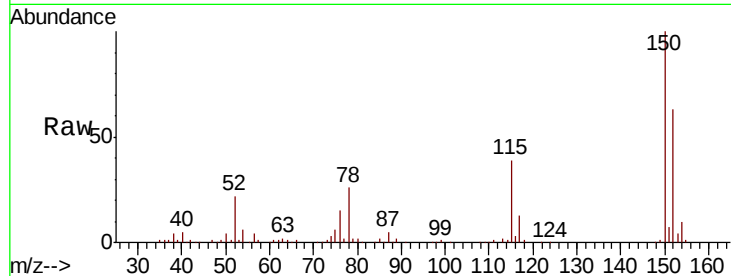
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF121785.D
 Acq: 2 Oct 2020 00:23

Instrument :
 BNA_F
 ClientSampleId :
 B-14(13-14)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.3	187.9
115	62.5	51.9	77.9

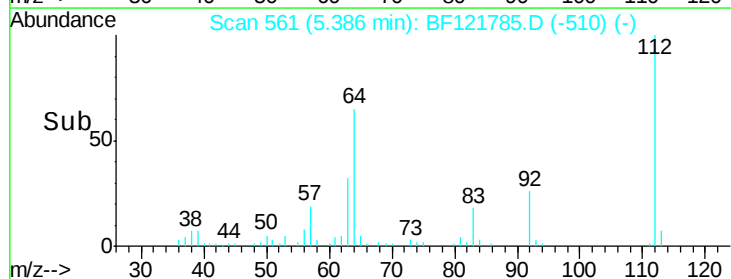
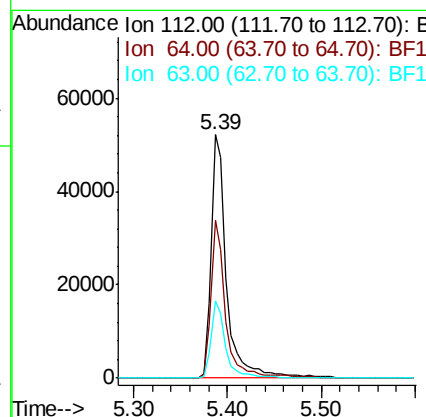
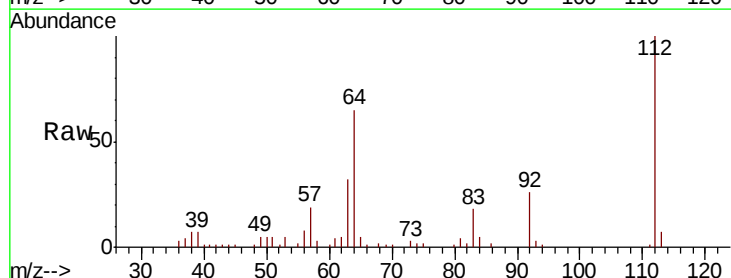
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#5
 2-Fluorophenol
 Concen: 6.881 ng
 RT: 5.39 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: BF121785.D
 Acq: 2 Oct 2020 00:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	50.4	75.6
63	31.6	25.8	38.6





#7

Phenol-d6

Concen: 6.567 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF121785.D

Acq: 2 Oct 2020 00:23

Instrument :

BNA_F

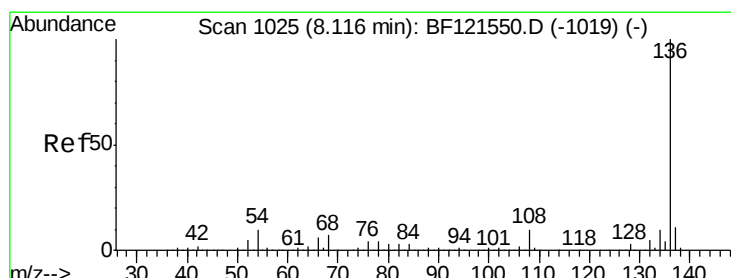
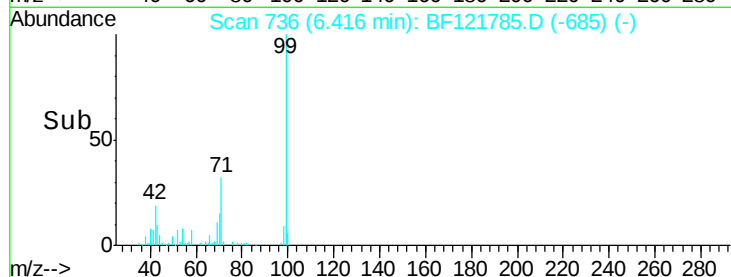
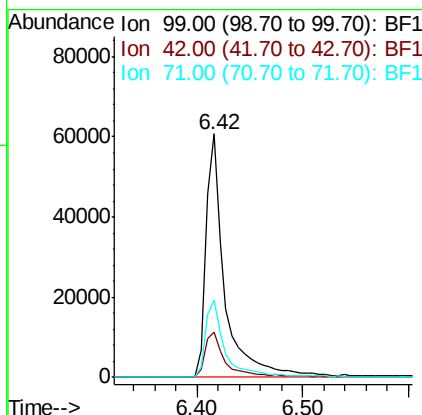
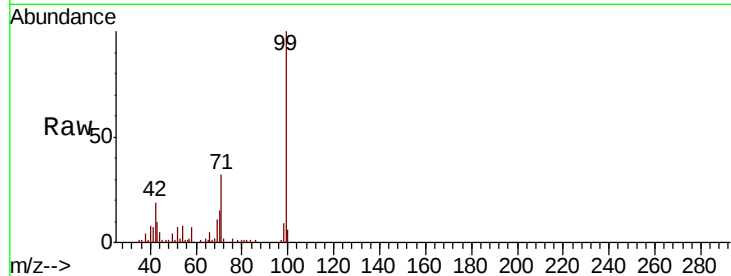
ClientSampleId :

B-14(13-14)DL

Tot Ion:	99	Resp:	75599
Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.9	23.9
71	31.9	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

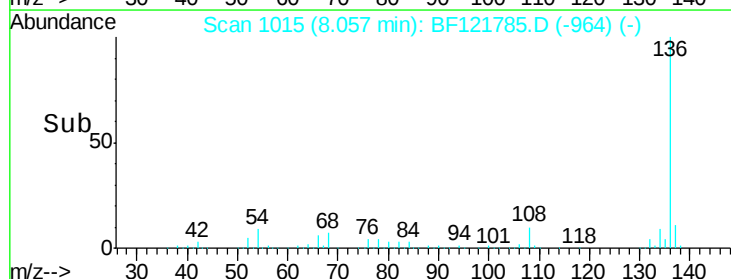
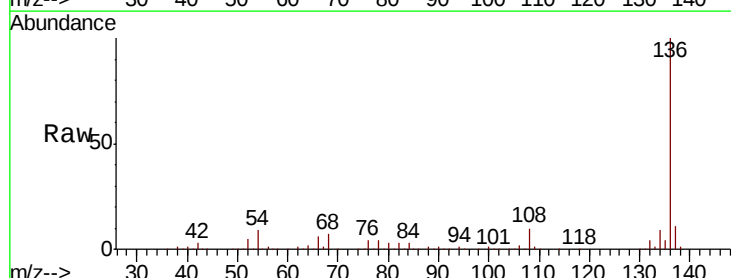
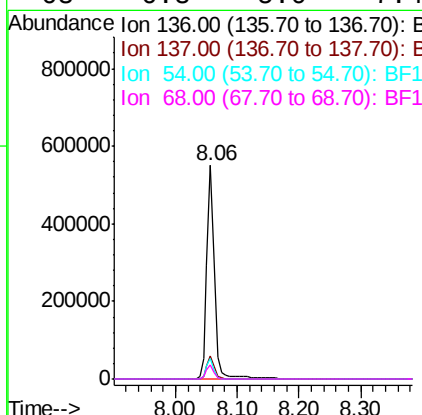
RT: 8.06 min Scan# 1015

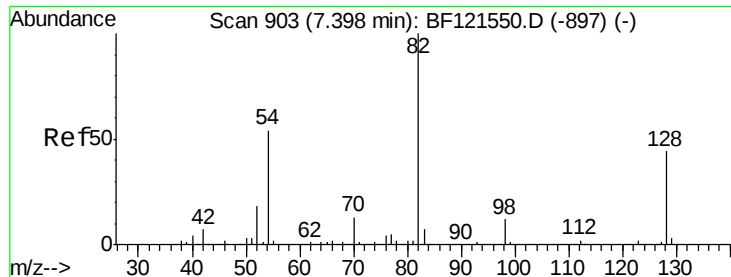
Delta R.T. -0.00 min

Lab File: BF121785.D

Acq: 2 Oct 2020 00:23

Tgt Ion:	136	Resp:	484525
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.5	7.1	10.7
68	6.8	5.0	7.4





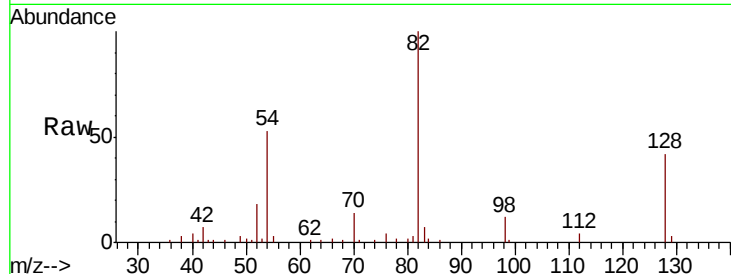
#23
Nitrobenzene-d5
Concen: 5.100 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Instrument :
BNA_F
ClientSampleId :
B-14(13-14)DL

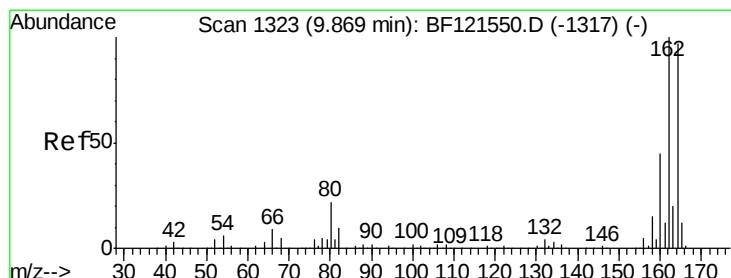
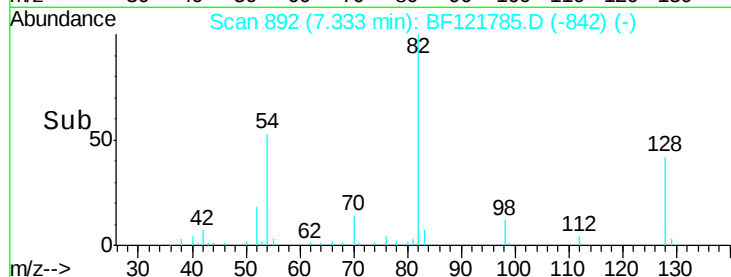
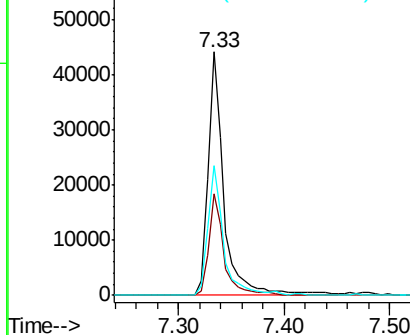
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	35.0	52.4
54	53.5	43.9	65.9

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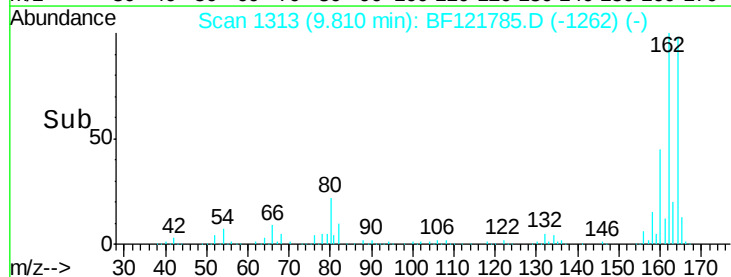
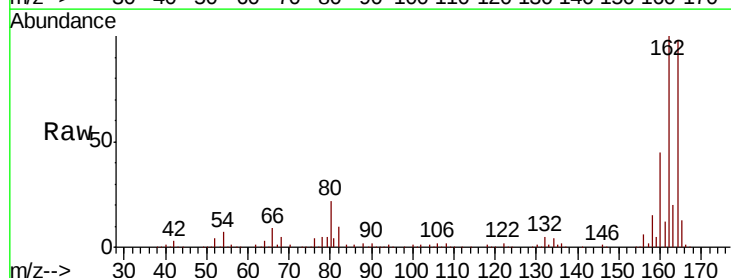
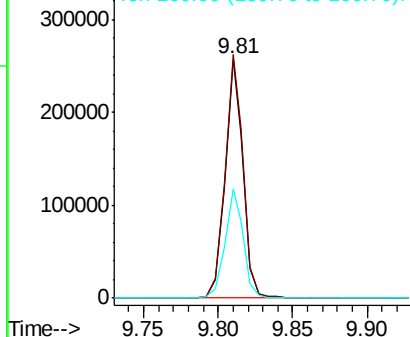
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.2	124.8
160	45.6	37.5	56.3

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 5.141 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF121785.D

Acq: 2 Oct 2020 00:23

Instrument :

BNA_F

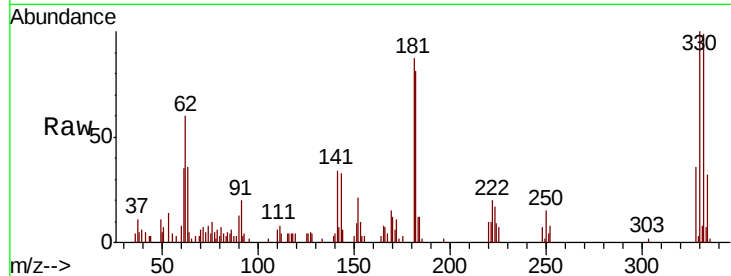
ClientSampleId :

B-14(13-14)DL

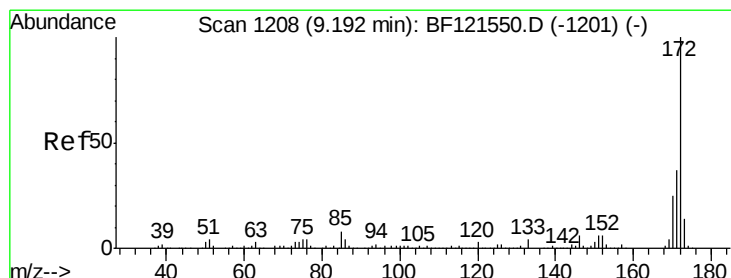
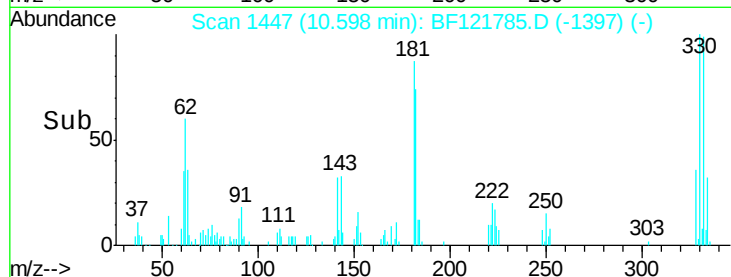
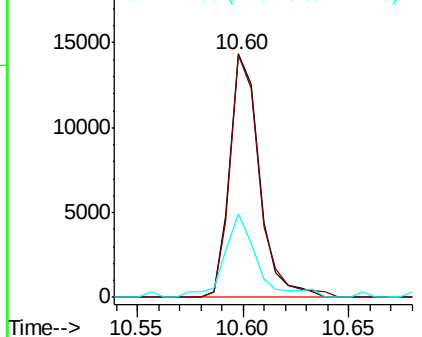
Tot Ion:	330	Resp:	13907
Ion Ratio	Lower	Upper	
330	100		
332	99.5	77.3	115.9
141	37.9	22.3	33.5#

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 6.458 ng

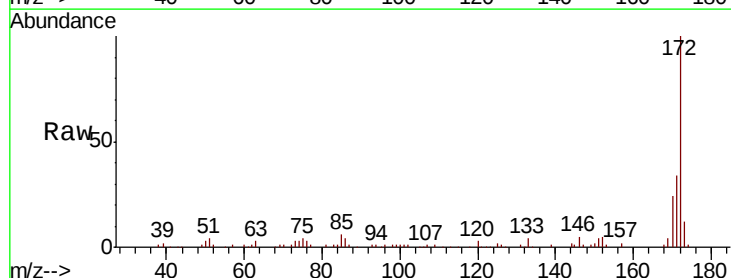
RT: 9.13 min Scan# 1198

Delta R.T. -0.00 min

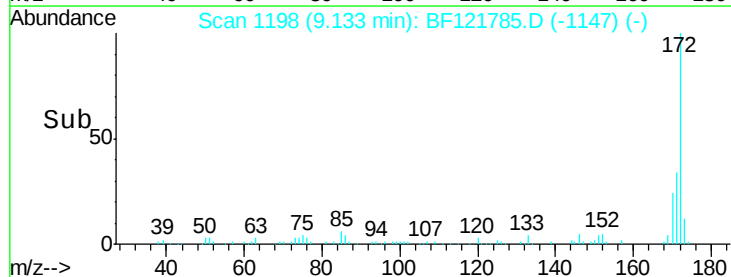
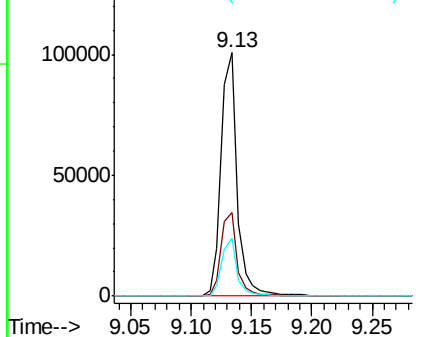
Lab File: BF121785.D

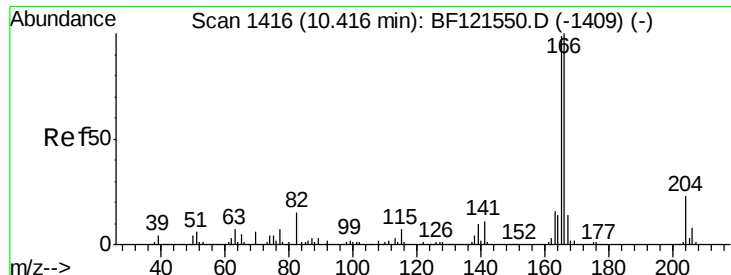
Acq: 2 Oct 2020 00:23

Tgt Ion:	172	Resp:	92807
Ion Ratio	Lower	Upper	
172	100		
171	34.1	29.1	43.7
170	23.6	19.8	29.6



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





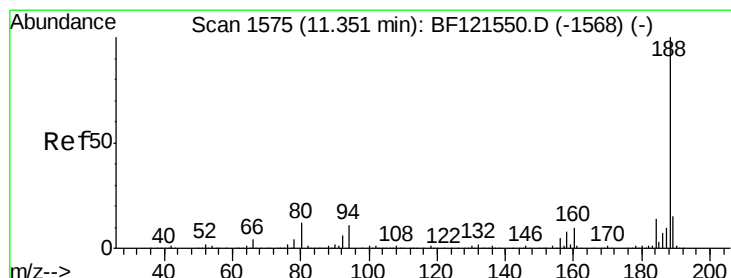
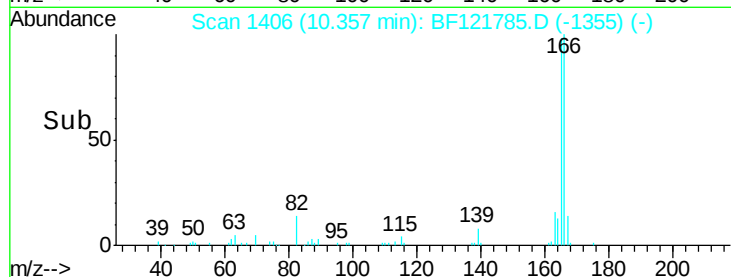
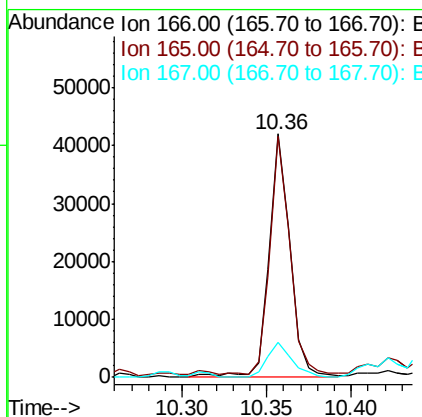
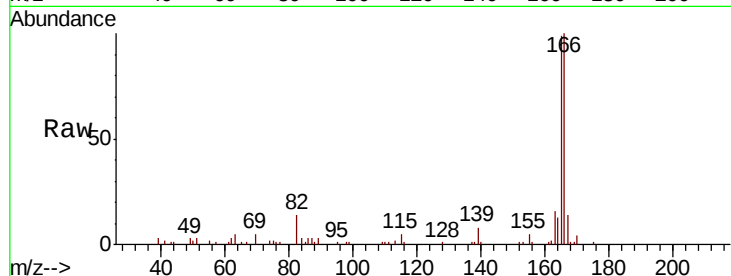
#58
 Fluorene
 Concen: 2.515 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.00 min
 Lab File: BF121785.D
 Acq: 2 Oct 2020 00:23

Instrument :
 BNA_F
 ClientSampleId :
 B-14(13-14)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.1	118.7
167	14.1	11.0	16.6

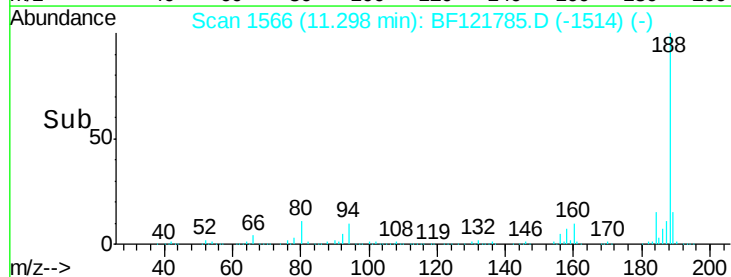
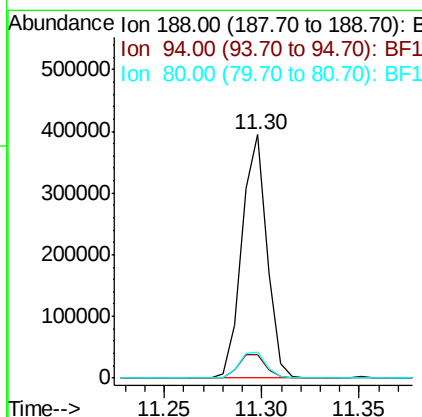
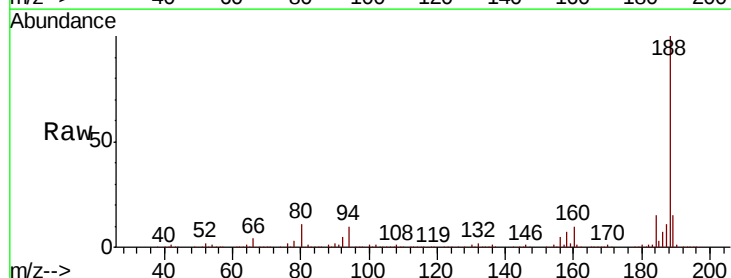
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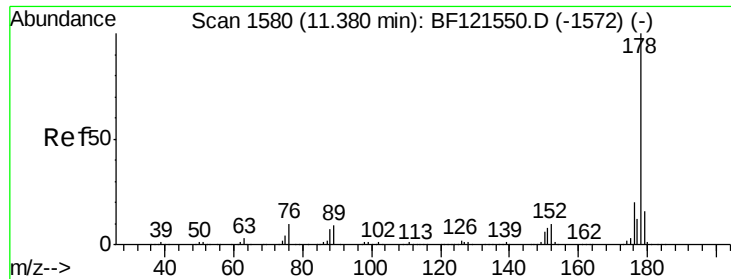
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BF121785.D
 Acq: 2 Oct 2020 00:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.3	12.5
80	10.7	9.1	13.7





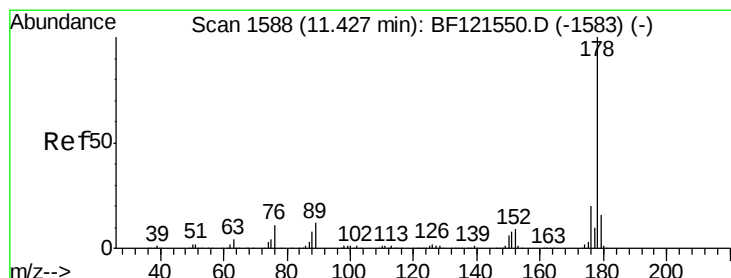
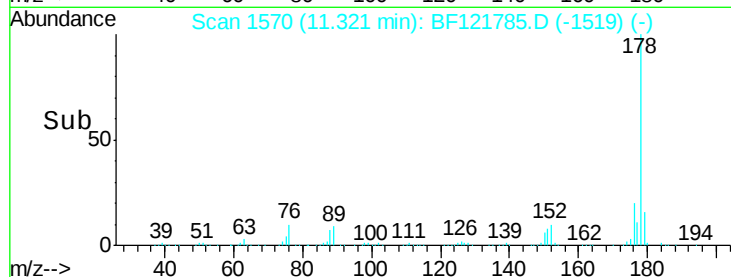
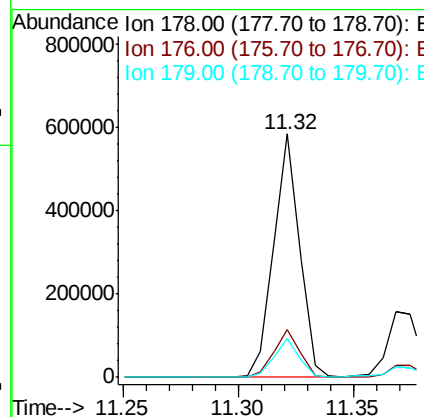
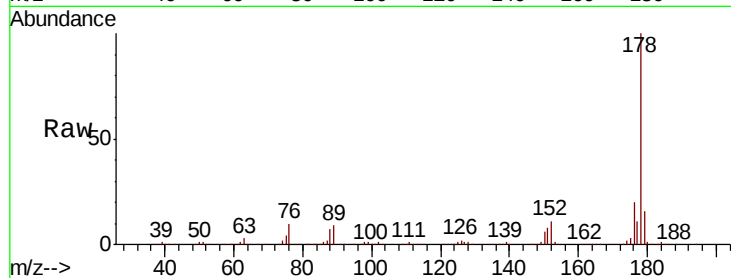
#71
Phenanthrene
Concen: 23.995 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Instrument :
BNA_F
ClientSampleId :
B-14(13-14)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.8	12.2	18.4

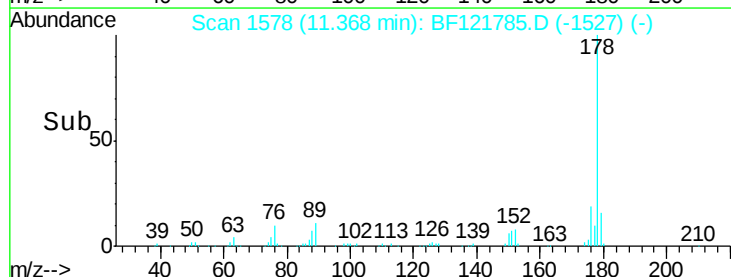
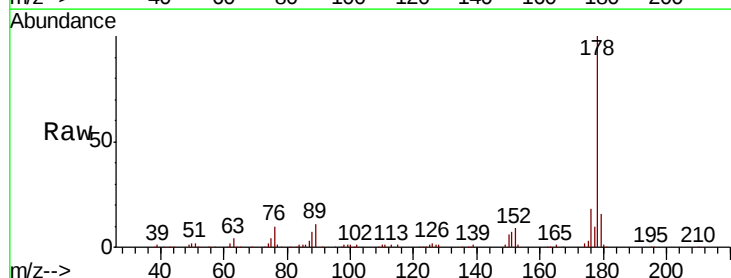
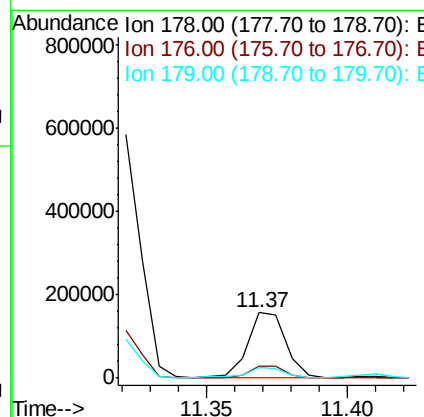
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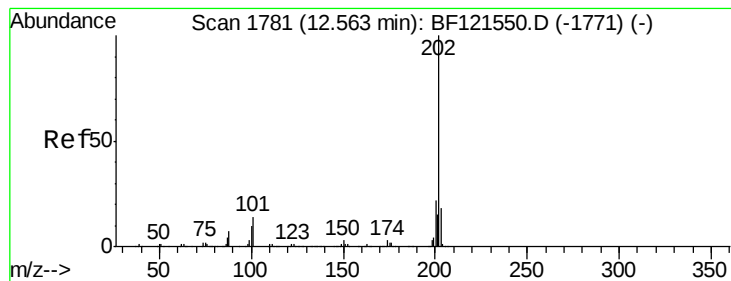
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#72
Anthracene
Concen: 7.248 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.7	23.5
179	15.6	12.7	19.1





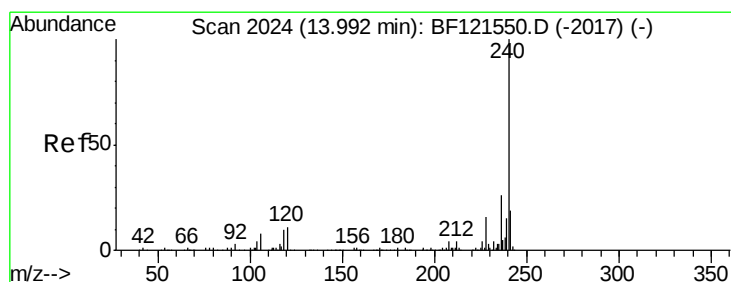
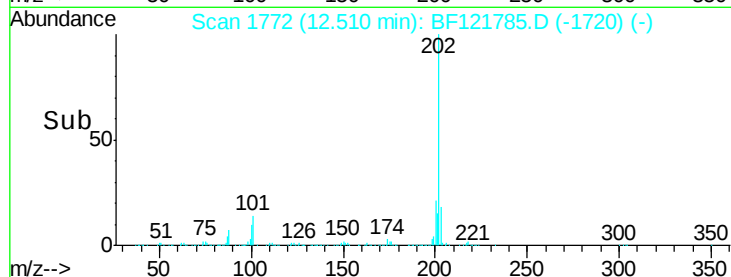
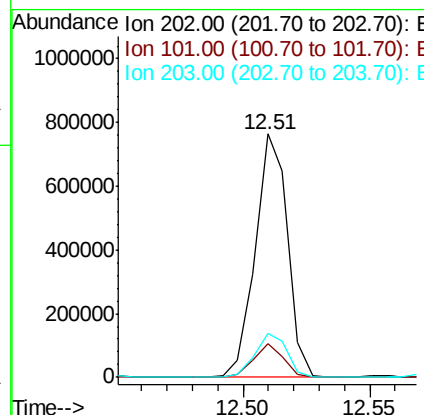
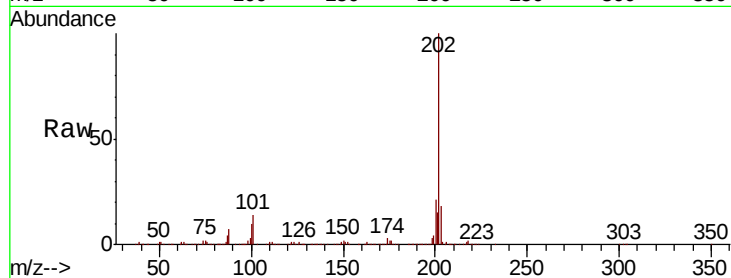
#75
Fluoranthene
Concen: 33.134 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.01 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Instrument :
BNA_F
ClientSampleId :
B-14(13-14)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	33.4
203	18.3	0.0	37.9

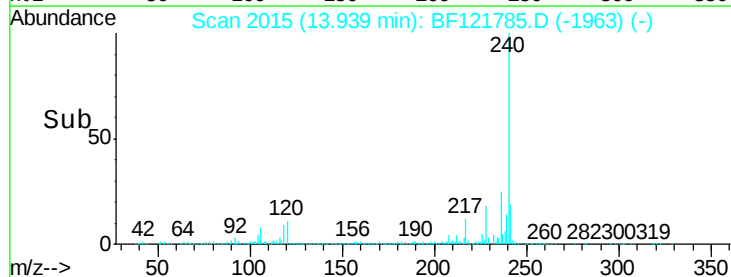
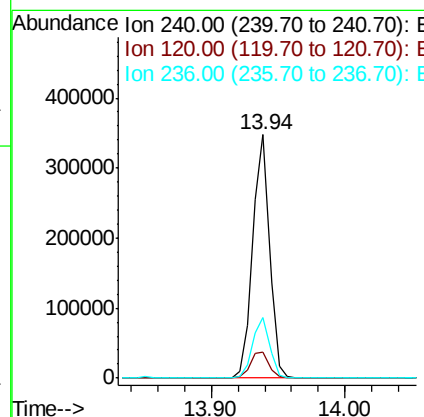
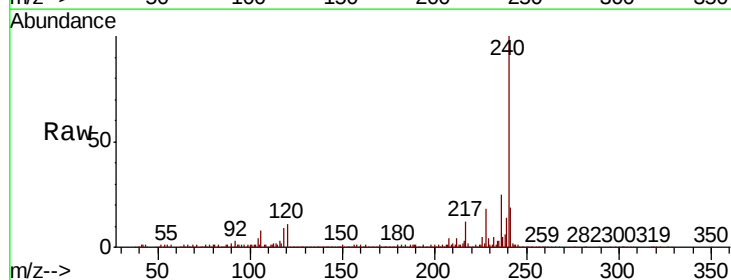
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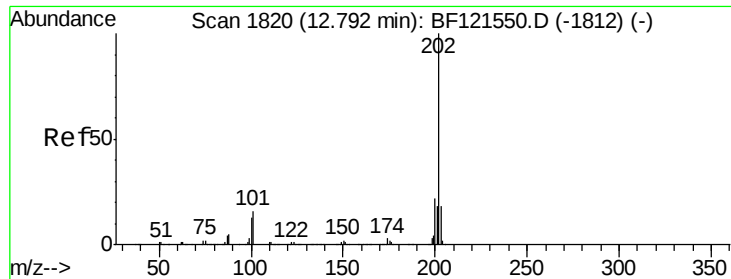
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.9	9.2	13.8
236	25.1	20.9	31.3





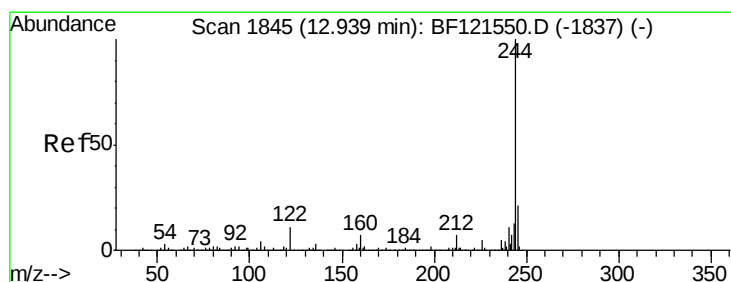
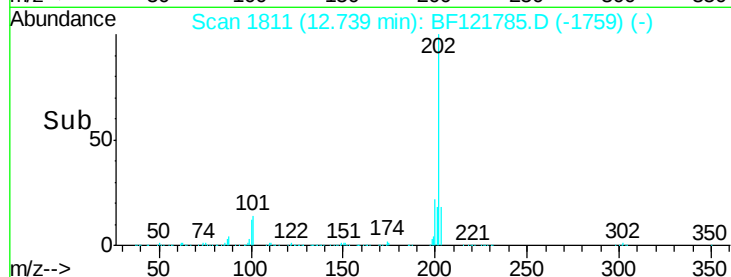
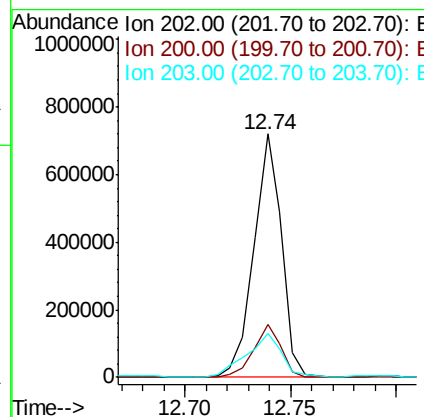
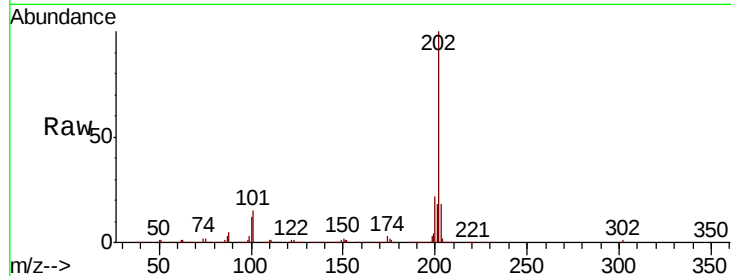
#78
Pvrene
Concen: 30.273 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.01 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Instrument :
BNA_F
ClientSampleId :
B-14(13-14)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.9	14.6	21.8

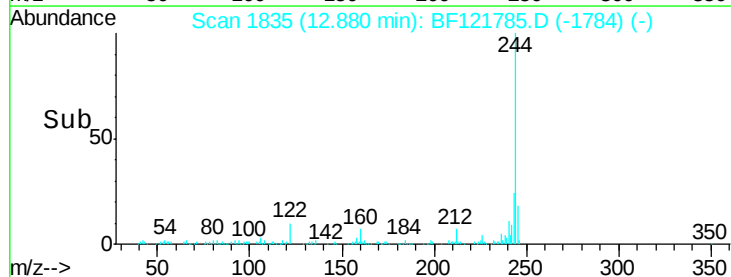
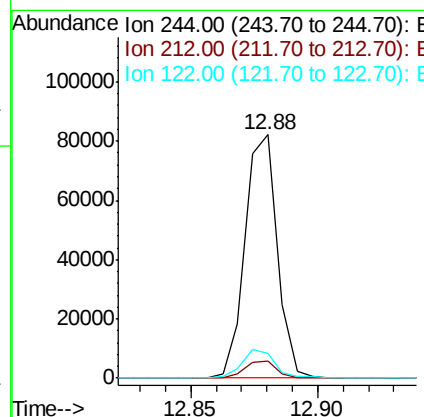
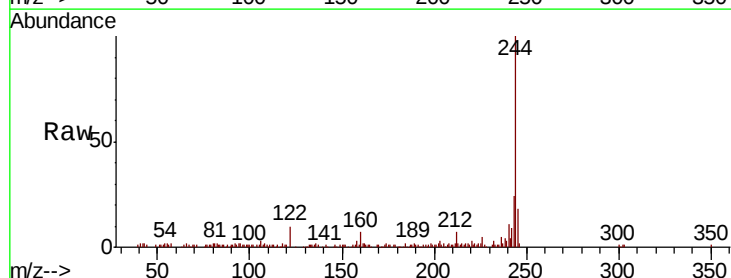
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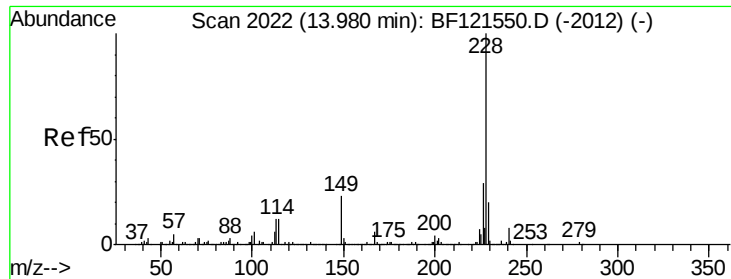
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#79
Terphenyl-d14
Concen: 4.920 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.3	8.1	12.1





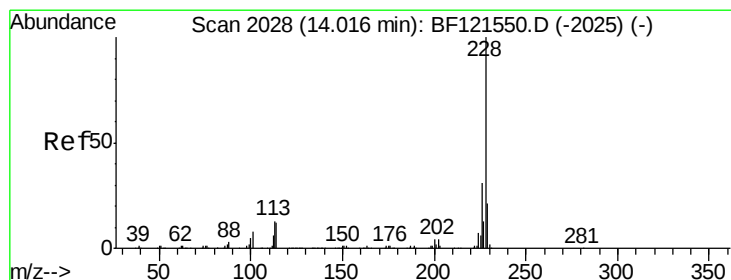
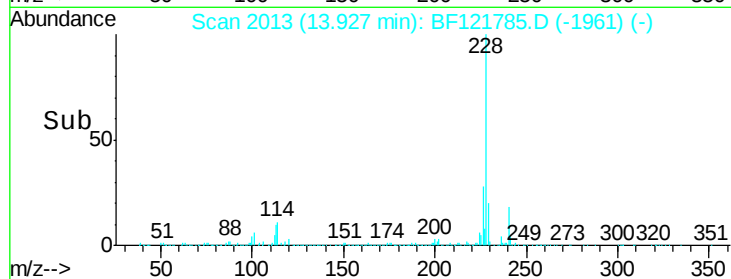
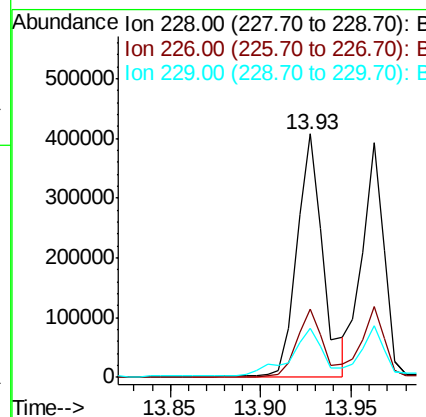
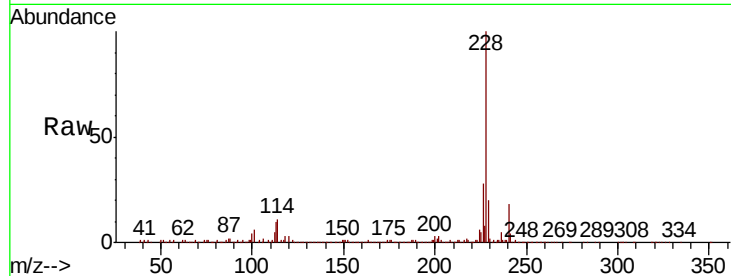
#81
Benzo(a)anthracene
Concen: 21.768 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Instrument :
BNA_F
ClientSampleId :
B-14(13-14)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.3	33.5
229	20.0	16.2	24.4

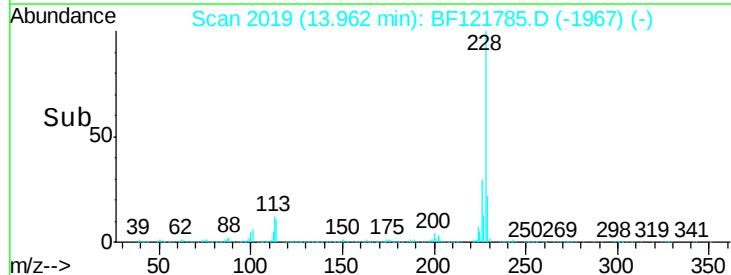
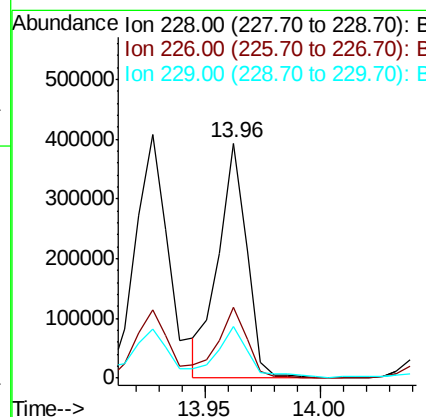
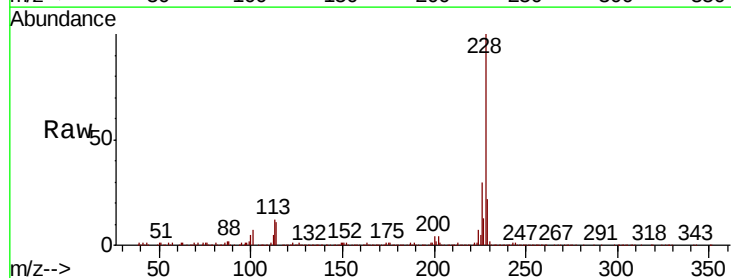
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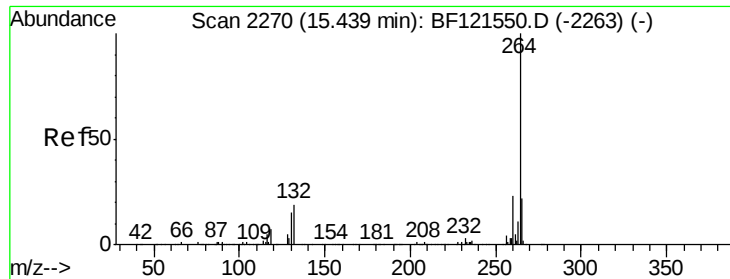
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#83
Chrysene
Concen: 17.417 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	21.8	15.9	23.9





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.38 min Scan# 2260

Delta R.T. 0.02 min

Lab File: BF121785.D

Acq: 2 Oct 2020 00:23

Instrument :

BNA_F

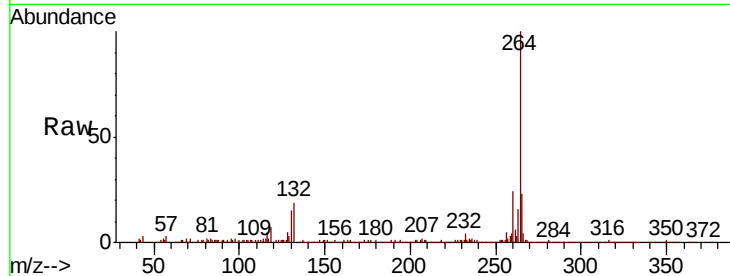
ClientSampleId :

B-14(13-14)DL

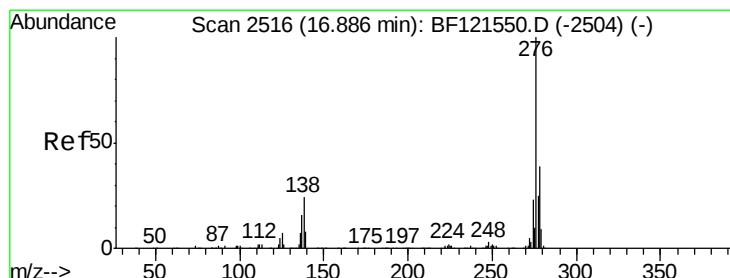
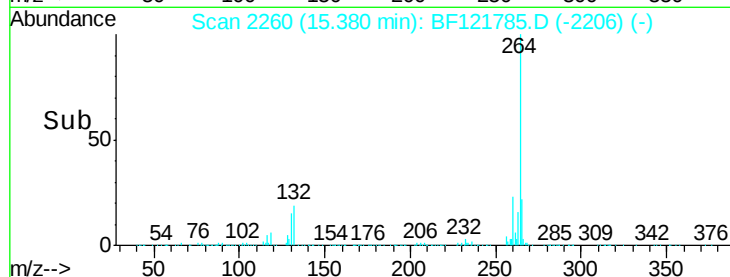
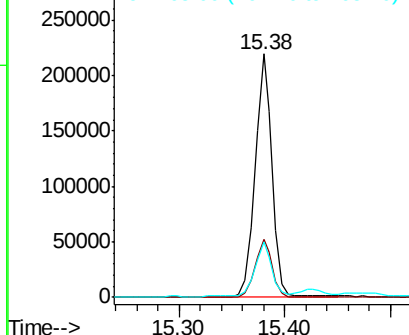
Tot Ion:	264	Resp:	247119
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.7	28.1
265	22.8	17.3	25.9

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.186 ng

RT: 16.80 min Scan# 2501

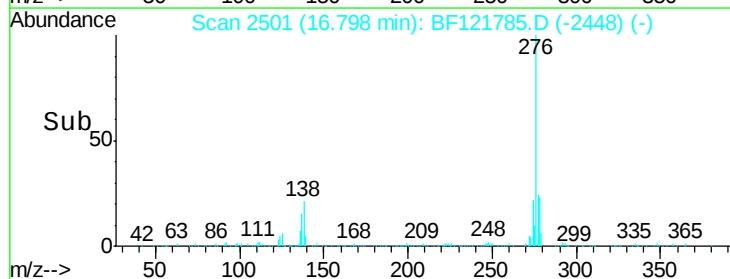
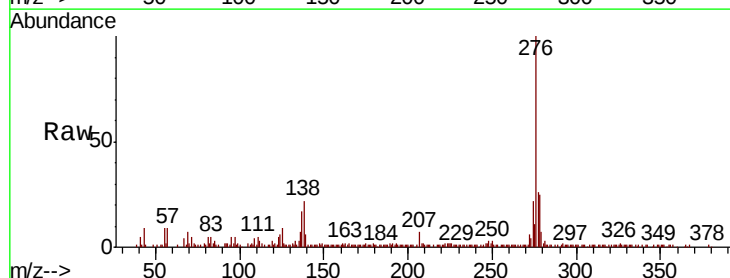
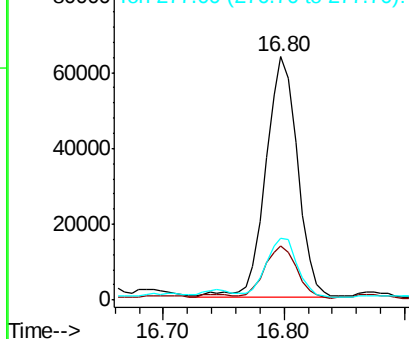
Delta R.T. 0.01 min

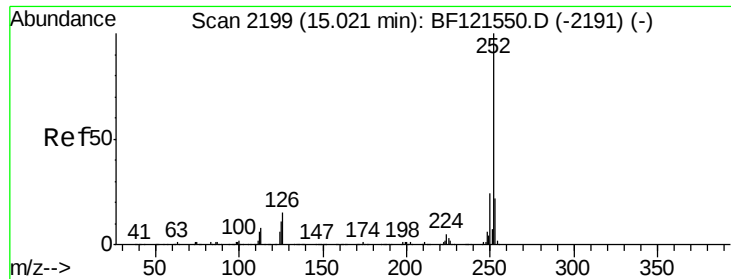
Lab File: BF121785.D

Acq: 2 Oct 2020 00:23

Tgt Ion:	276	Resp:	115649
Ion Ratio	Lower	Upper	
276	100		
138	21.7	19.9	29.9
277	24.3	20.4	30.6

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





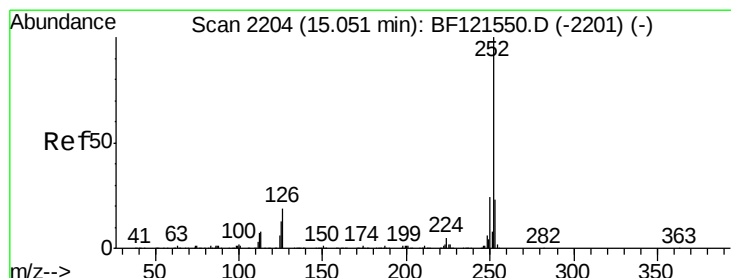
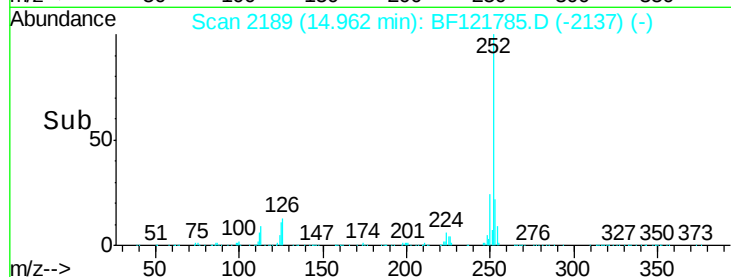
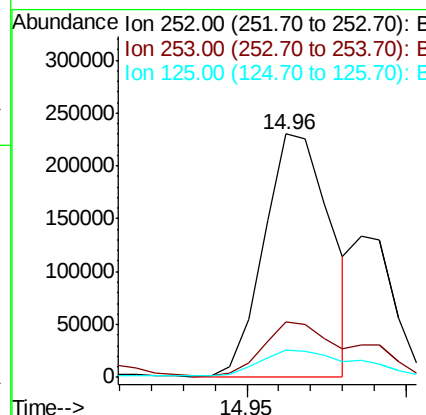
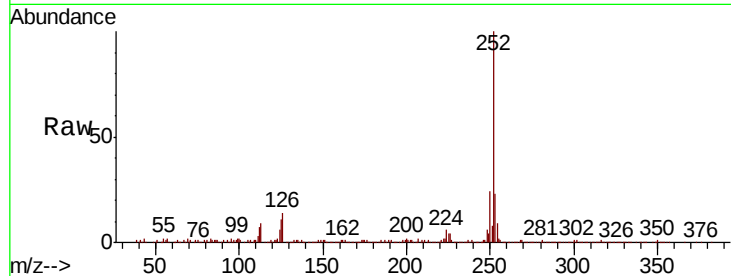
#88
Benzo(b)fluoranthene
Concen: 20.167 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Instrument :
BNA_F
ClientSampleId :
B-14(13-14)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	11.4	8.0	12.0

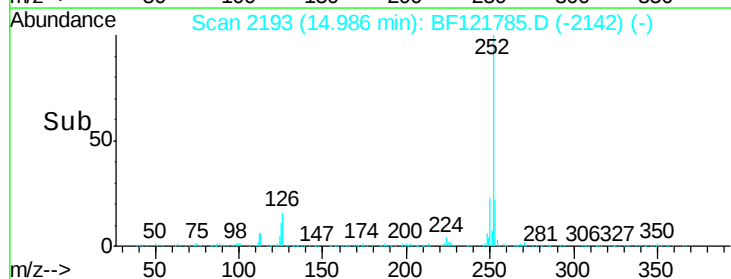
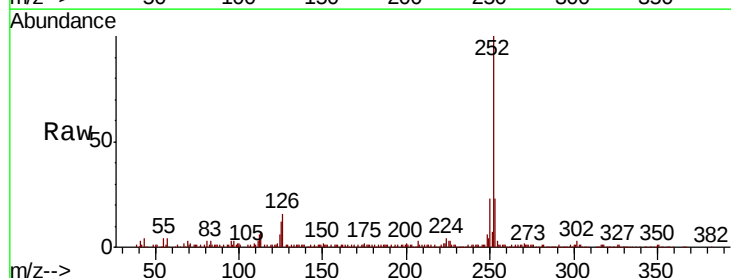
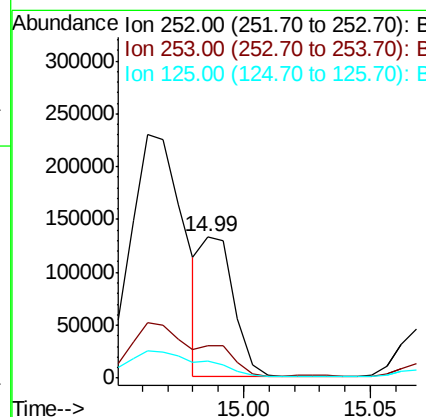
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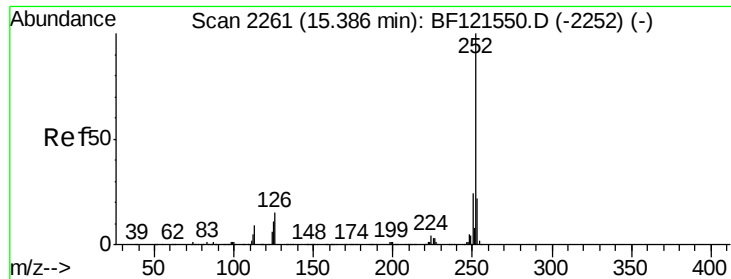
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#89
Benzo(k)fluoranthene
Concen: 7.676 ng m
RT: 14.99 min Scan# 2193
Delta R.T. -0.00 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	12.1	7.7	11.5





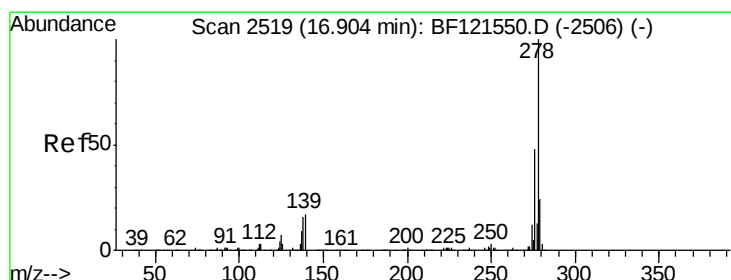
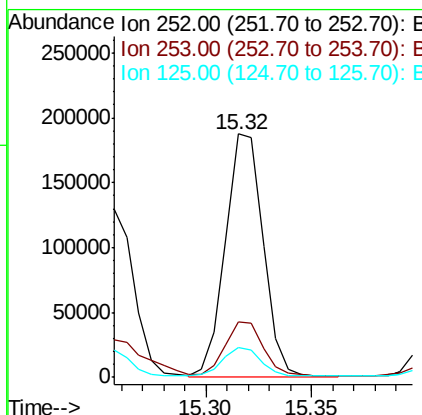
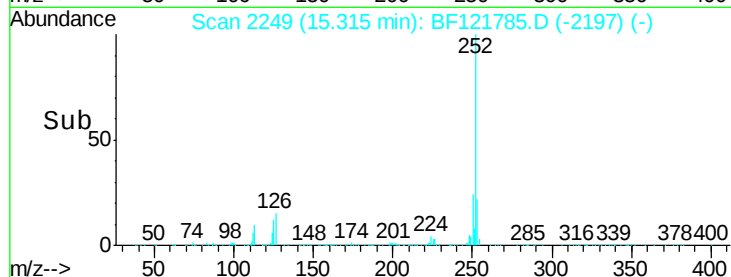
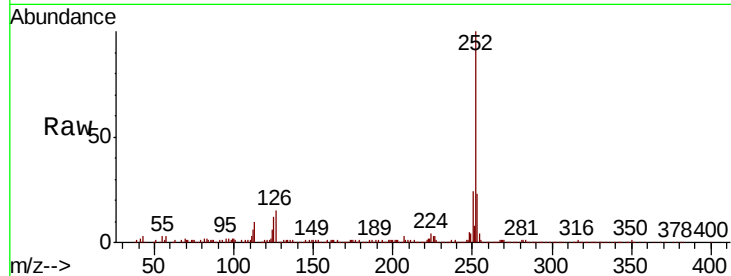
#90
Benzo(a)pyrene
Concen: 16.423 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Instrument :
BNA_F
ClientSampleId :
B-14(13-14)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	12.3	8.6	13.0

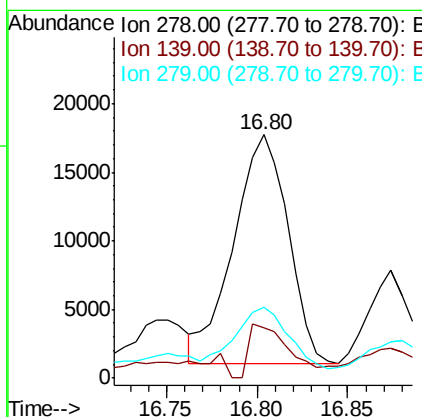
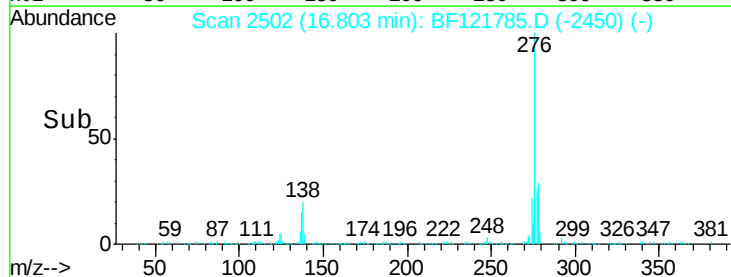
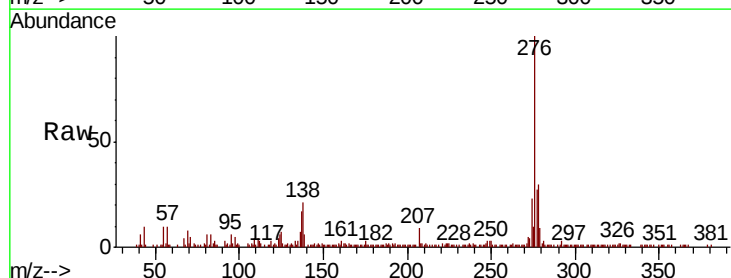
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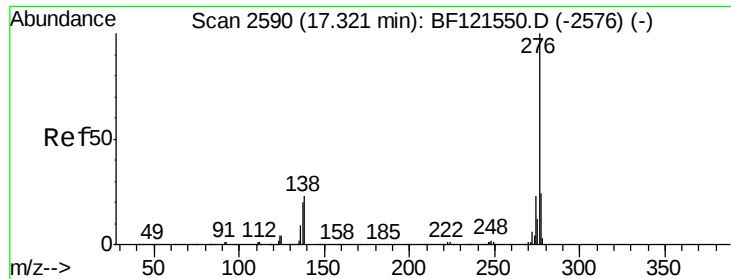
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#91
Dibenzo(a,h)anthracene
Concen: 2.609 ng m
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF121785.D
Acq: 2 Oct 2020 00:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	13.0	19.4#
279	29.2	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 7.514 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.02 min
 Lab File: BF121785.D
 Acq: 2 Oct 2020 00:23

Instrument :
 BNA_F
 ClientSampleId :
 B-14(13-14)DL

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.8	19.4	29.2	
138	21.4	17.8	26.6	

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